

Recovery Plan Action Status

Plan Name: Recovery Plan Sierra Bermeja Plants *Aristida chaseae*, *Lyonia truncata* var. *proctorii*, *Vernonia proctorii* (3 spp.)

Plan Status: Final

Plan Date: 31-Jul-95

Lead Agency: USFWS

Lead Office: Caribbean Ecological Services Field Office

(887)
(851-7297)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
No common name (<i>Aristida chaseae</i>), No common name (<i>Lyonia truncata</i> var. <i>proctorii</i>), No common name (<i>Vernonia proctorii</i>)	1	111	Obtain protective status for the known privately owned population sites	Not Started	FY 1995 - FY 1999	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Municipalities of Lajas and Cabo Rojo	Acquisition: Easement, Acquisition: General, Acquisition: Management Agreement	Internal Field Assistance, Volunteer	
No common name (<i>Aristida chaseae</i>), No common name (<i>Lyonia truncata</i> var. <i>proctorii</i>), No common name (<i>Vernonia proctorii</i>)	1	121	Monitor known populations	Ongoing Current	FY 2008	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Management: Population Monitoring, Research: Population Surveys	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Preliminary assessment on <i>Lyonia truncata</i> , <i>Vernonia proctorii</i> and <i>Aristida chaseae</i> were conducted in 2008 by USFWS
No common name (<i>Aristida chaseae</i>), No common name (<i>Lyonia truncata</i> var. <i>proctorii</i>), No common name (<i>Vernonia proctorii</i>)	1	122	Enforce existing Commonwealth and Federal regulations	Ongoing Current	FY 1995 - FY 1999	FY 2011	U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Other: Law Enforcement, Other: Regulations	Internal Administrative	One DNER ranger 25%

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No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	123	Educate public on plant conservation values and regulations	Ongoing Current	FY 1995 - FY 1999	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Other: Information and Education	Internal Administrative, Internal Field Assistance, Species Expert, Volunteer	USFWS and DNER lead this action
No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	212	Characterize sites to determine their suitability as future recovery sites	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Management: Planning, Research: Habitat Requirements, Research: Habitat Status	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	31	Define habitat requirements	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Research: Habitat Requirements	Contract, Graduate Student, Internal Field Assistance	
No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	321	Assess periodicity of flowering	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources	Research: Demographic Studies, Research: Population Assessment, Research: Propagation	Contract, Graduate Student, Internal Field Assistance, Species Expert, Volunteer	10k/year include 321 to 327
No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	322	Assess seed production and dispersal	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Research: Demographic Studies, Research: Propagation	Contract, Graduate Student, Internal Field Assistance, Species Expert, Volunteer	

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No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	323	Evaluate seed viability and germination requirements	Ongoing Not Current	FY 2008	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Research: Demographic Studies, Research: Propagation	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	
No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	324	Evaluate requirements and growth	Ongoing Current	FY 2008	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Research: Habitat Requirements, Research: Propagation	Contract, Graduate Student, Internal Field Assistance, Species Expert, Volunteer	
No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	325	Determine genetic structure of the species	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources	Research: Genetics	Contract, Graduate Student, Internal Administrative, Species Expert	
No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	327	Evaluate impacts of fire on the plant species	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources	Research: Ecosystem Studies, Research: Management Techniques	Contract, Graduate Student, Internal Field Assistance, Species Expert	
No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	331	Assess methods of propagation	Ongoing Not Current	FY 2008	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Management: Propagation, Research: Propagation	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	411	Select sites and assess habitat suitability	Ongoing Not Current	FY 2008	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Management: Habitat Maintenance and Manipulation, Research: Habitat Requirements, Research: Habitat Status, Research: Reintroduction	Graduate Student, Internal Field Assistance, Species Expert, Volunteer	
No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	412	Ensure site protection	Ongoing Current	FY 2008	FY 2011	U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Acquisition: Easement, Other: Law Enforcement, Other: Regulations	Internal Field Assistance	Comprehensive Conservation Plan for LCNWR and CRNWR is ongoing
No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	51	Determine number of individuals and populations necessary to ensure species' stability and self-perpetuation	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Research: Demographic Studies, Research: Reintroduction	Contract, Graduate Student, Internal Field Assistance, Species Expert	
No common name (Aristida chaseae), No common name (Lyonia truncata var. proctorii), No common name (Vernonia proctorii)	2	52	Determine what additional actions, if any, are necessary to achieve recovery goals	Ongoing Not Current	FY 2008	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, Caribbean islands National Wildlife Refuge, FWS	Research	Internal Field Assistance	5 year review for the species ends September 2008